

## WEST Search History

DATE: Wednesday, February 26, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L8	l1 and l5	13	L8
L7	L5 and l2	87	L7
L6	L5 nad l2	13252	L6
L5	l2 adj3 (synthase or synthetase)	87	L5
L4	l2 adj3 synth\$	135	L4
L3	L2 and l1	367	L3
L2	trehalose\$	5565	L2
L1	coryneform or corynebacteri\$	9332	L1

END OF SEARCH HISTORY

09/895382  
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 15:00:04 ON 26 FEB 2003

L1 10595 S CORYNEFORM OR CORYNEBACTERI?  
L2 90 S L1 AND TREHALOSE  
L3 74 S L1 (P) TREHALOSE  
L4 53 S L1 (S) TREHALOSE  
L5 53 S L1 (S) TREHALOSE?  
L6 0 S TREHALSE? (4W) SYNTHASE  
L7 277 S TREHALOSE? (4W) SYNTHASE  
L8 5 S L2 AND L7  
L9 85 S L2 NOT L8

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS

AN 2003:133477 CAPLUS

TI Process for the fermentative preparation of l-amino acids using  
coryneform bacteria

IN Wolf, Andreas; Schischka, Natalie; Hermann, Thomas; Morbach, Susanne;  
Kraemer, Reinhard

PA Degussa AG, Germany

SO PCT Int. Appl., 57 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003014370	A2	20030220	WO 2002-EP5264	20020514
PRAI	DE 2001-10139062	A	20010809		

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS

AN 2002:573259 CAPLUS

TI The otsA gene of Corynebacterium glutamicum encoding a  
trehalose-6-phosphate synthase and its use in increasing  
yields of lysine in fermentation

IN Hermann, Thomas; Wolf, Andreas; Morbach, Susanne; Kraemer, Reinhard

PA Degussa A.-G., Germany

SO Ger. Offen., 20 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10110760	A1	20020801	DE 2001-10110760	20010307
	WO 2002061093	A1	20020808	WO 2001-EP12221	20011023
	US 2002192674	A1	20021219	US 2002-58945	20020130
PRAI	DE 2001-10103873	IA	20010130		
	DE 2001-10110760	A	20010307		

- Not english  
- too late  
- too late

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS

AN 2002:504549 CAPLUS

TI Genes of Corynebacterium glutamicum useful for microbial  
engineering for fermentative production of compounds and for diagnosing  
infection

IN Pompejus, Markus; Kroeger, Burkhard; Zelder, Oskar; Schroeder, Hartwig

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002051231	A1	20020704	WO 2000-EP13143	20001222
PRAI	WO 2000-EP13143		20001222		

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS  
 AN 2002:56555 CAPLUS  
 TI Knocking out trehalose 6-phosphate synthase and  
 maltotoligosyltrehalose synthase in Brevibacterium lactofermentum to block  
 trehalose synthesis

IN Otaki, Hiromi; Nakamura, Jun; Izui, Hiroshi; Nakamatsu, Wataru  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 -----  
 PI JP 2002017364 A2 20020122 JP 2000-204256 20000705  
 US 2002137150 A1 20020926 US 2001-895382 20010702  
 EP 1174508 A2 20020123 EP 2001-115635 20010703  
 EP 1174508 A3 20020502  
 BR 2001002669 A 20020305 BR 2001-2669 20010704  
 CN 1335394 A 20020213 CN 2001-121741 20010705  
 PRAI JP 2000-204256 A 20000705

L9 ANSWER 10 OF 85 CAPLUS COPYRIGHT 2003 ACS  
 AN 2001:225316 CAPLUS  
 TI Corynebacterium gene gpi and methods for producing amino acids,  
 vitamins, and nucleotides with Coryneform bacteria  
 IN Dunican, L. K.; McCormack, Ashling; Stapelton, Cliona; Burke, Kevin;  
 O'Donohue, Michael; Marx, Achim; Mockel, Bettina  
 SO Eur. Pat. Appl., 32 pp.

L9 ANSWER 11 OF 85 CAPLUS COPYRIGHT 2003 ACS  
 AN 2000:545949 CAPLUS  
 TI Essential role of trehalose in the synthesis and subsequent  
 metabolism of corynomycolic acid in Corynebacterium matruchotii  
 AU Shimakata, Takashi; Minatogawa, Yohsuke  
 SO Archives of Biochemistry and Biophysics (2000), 380(2), 331-338

L9 ANSWER 13 OF 85 CAPLUS COPYRIGHT 2003 ACS  
 AN 1999:704346 CAPLUS  
 TI An improved temperature-triggered process for glutamate production with  
 Corynebacterium glutamicum  
 AU Delaunay, S.; Gourdon, P.; Lapujade, P.; Mailly, E.; Oriol, E.; Engasser,  
 J. M.; Lindley, N. D.; Goergen, J.-L.  
 SO Enzyme and Microbial Technology (1999), 25(8-9), 762-768

L9 ANSWER 14 OF 85 CAPLUS COPYRIGHT 2003 ACS  
 AN 1999:534655 CAPLUS  
 TI Metabolic analysis of glutamate production by Corynebacterium  
 glutamicum  
 AU Gourdon, Pierre; Lindley, Nicholas D.  
 SO Metabolic Engineering (1999), 1(3), 224-231

L9 ANSWER 18 OF 85 CAPLUS COPYRIGHT 2003 ACS  
 AN 1997:684505 CAPLUS  
 TI Method for producing an amino acid by fermenting Corynebacteria  
 expressing trehalase activity  
 IN Wojcik, Franck; Zuliani, Vincent  
 SO PCT Int. Appl., 35 pp.

L9 ANSWER 19 OF 85 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:382 CAPLUS  
TI Trehalose manufacture with microorganism  
IN Yokozeiki, Kenzo; Sugimoto, Reiko; Kira, Ikuo  
SO Jpn. Kokai Tokkyo Koho, 7 pp.

L9 ANSWER 28 OF 85 CAPLUS COPYRIGHT 2003 ACS  
AN 1993:558377 CAPLUS  
TI Microbial production of trehalose  
IN Tsuchida, Takayasu; Murakami, Yutaka; Nishimoto, Yoshitaka; Kotani, Takuya  
SO Eur. Pat. Appl., 15 pp.

L9 ANSWER 31 OF 85 CAPLUS COPYRIGHT 2003 ACS  
AN 1993:232380 CAPLUS  
TI Improvement of amino acid manufacture with coryneform bacteria  
IN Kircher, Manfred; Guenther, Kurt; Bachmann, Bernd  
SO Eur. Pat. Appl., 7 pp.